BC Marketplace

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Your One-Stop Shop for Test Equipment & Tools

www.jmbbi.com

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See Page 9 for full details

Tool Kits

See Page 28 for full details

2006-2007

Defibrillator Analyzer Series

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BC Biomedical Products

Look for the BCB Exclusive symbol (pictured to the right) for all of our own BC Biomedical proprietary brand products found throughout this catalog. You will notice that BC Biomedical products will ensure you receive high quality products at minimal cost to you. The flip side of this catalog is dedicated to the BC Biomedical Products, with full specifications and detailed model information.

BCB Exclusive

BC Biomedical™
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BC Biomedical Safety Analyzer Series

The SA-2000 Series is a Microprocessor based Electrical Safety Analyzer Family. All five models provide the same basic functions & each comes with a BC20-20110 Chassis (Black) cable for easier testing & BC Biomedical soft carrying case for extra protection.

- The SA-2005 basic features, adds 5 Patient Lead connectors
- The SA-2010 has all of the SA-2005 features, plus adds 10 Patient Lead connectors
- The SA-2010S has all of the SA-2010 features, plus adds an ECG Patient Simulator

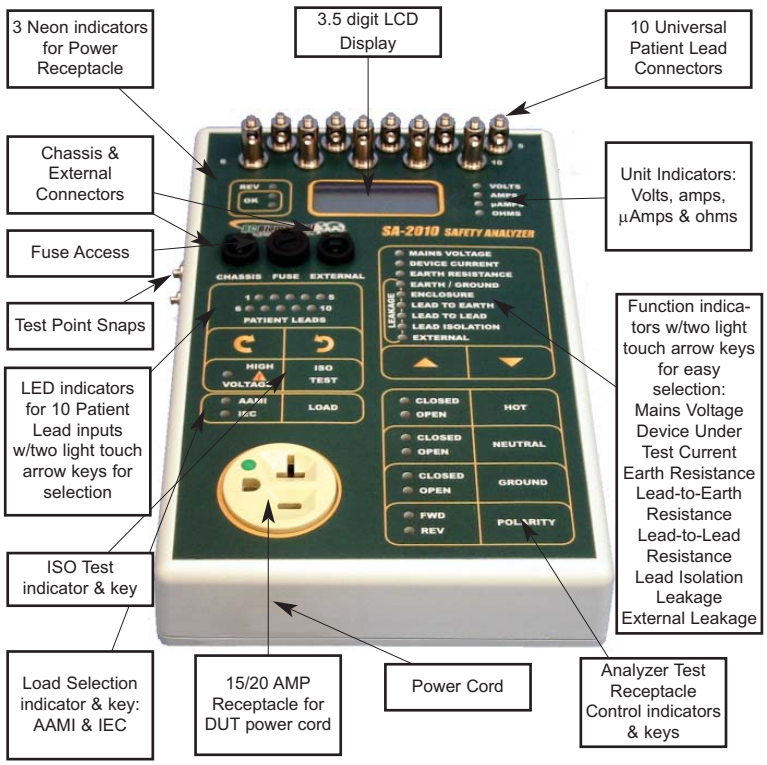
The SA-2000 Family of Safety Analyzers allows the user a great deal of flexibility in testing. Plus any of the basic tests can be run in almost any sequence.

The compact size makes the SA-2000 Family easy to hold & operate. All models operate from 85 to 265V @ 50/60 Hz, with Load Currents up to 20 amps, so there is no need to purchase two different analyzers to cover your testing needs. The SA-2010S is the smallest safety analyzer available with a built-in ECG Patient Simulator.

***For Point-to-Point Testing*, please order the BC20-20111 BC Biomedical External (Red) Cable (see page 5).**

Flip for more info on this series - Pages A-B

SA-2010 Layout


3 Neon indicators for Power Receptacle
3.5 digit LCD Display
10 Universal Patient Lead Connectors
Chassis & External Connectors
Unit Indicators: Volts, amps, µAmps & ohms
Fuse Access
Test Point Snaps
Function indicators w/two light touch arrow keys for easy selection: Mains Voltage Device Under Test Current Earth Resistance Lead-to-Earth Resistance Lead-to-Lead Resistance Lead Isolation Leakage External Leakage
LED indicators for 10 Patient Lead inputs w/two light touch arrow keys for selection
ISO Test indicator & key
Load Selection indicator & key: AAMI & IEC
15/20 AMP Receptacle for DUT power cord
Power Cord
Analyzer Test Receptacle Control indicators & keys
SA-2010 SAFETY ANALYZER
CHASSIS FUSE EXTERNAL
PATIENT LEADS
MAINS VOLTAGE
DEVICE CURRENT
EARTH RESISTANCE
EARTH / GROUND
ENCLOSURE
LEAD TO EARTH
LEAD TO LEAD
LEAD ISOLATION
EXTERNAL
LEAKAGE
HIGH VOLTAGE
ISO TEST
LOAD
HOT
NEUTRAL
GROUND
POLARITY

All SA Series Prices Include Soft Carrying Case BC20-30107.

Model	SA-2000	SA-2001	SA-2005	SA-2010	SA-2010S
Load Current	No	Yes	Yes	Yes	Yes
Ground Resistance	Yes	Yes	Yes	Yes	Yes
Chassis Leakage Current	Yes	Yes	Yes	Yes	Yes
Earth Leakage Current	Yes	Yes	Yes	Yes	Yes
Patient Lead Testing	No	No	Yes	Yes	Yes
Lead Isolation	No	No	Yes	Yes	Yes
Point-to-Point	No	Yes	Yes	Yes	Yes
AAMI & IEC Loads	AAMI Only	Yes	Yes	Yes	Yes
ECG Simulation	No	No	No	No	Yes
Line Voltage	No	Yes	Yes	Yes	Yes
External Fuse Access	Yes	Yes	Yes	Yes	Yes
Voltage Range 85 to 265V	Yes	Yes	Yes	Yes	Yes
Size	8.7” x 5.5” x 1.6”	8.7” x 5.5” x 1.6”	8.7” x 5.5” x 1.6”	8.7” x 5.5” x 1.6”	8.7” x 5.5” x 1.6”

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A. Dale LT544DLite
• Digital • Chassis Leakage • Ground Resistance
• 20 amp Rating • 85 to 265 V @ 50/60 Hz

B. Dale LT544DPlus
• Digital • Chassis Leakage • Ground Resistance
• Outlet Polarity Indicators • Line Voltage Readout
• 20 amp Rating • 85 to 265 V @ 50/60 Hz

C. Dale 601
• Five Patient Leads • Chassis & Lead Leakage
• AAMI & IEC loads - switchable • Lead Isolation
• Ground Resistance • Line Voltage Readout
• 20 amp Rating • 117 V, 50/60 Hz 15A

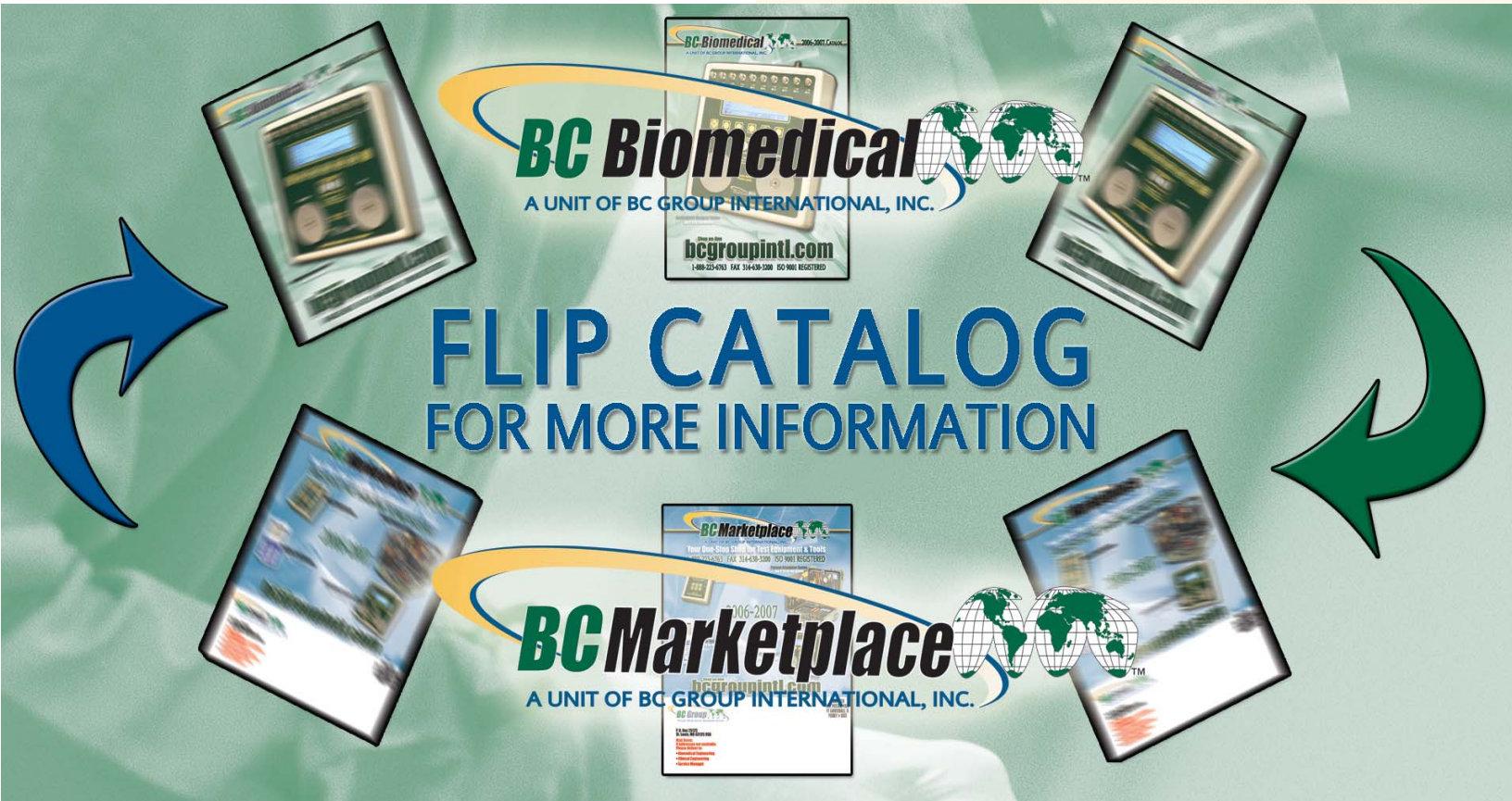
D. Dale 2000 LIM/GFI Tester
A self-contained line isolation monitor & ground fault tester. No external safety analyzer needed.

E. BC Biomedical Soft Carrying Case BC20-30107
Soft-sided heavyweight Cordura® material carrying case that is a perfect fit for Safety Analyzers & multiple cables. This case accompanies each BC Biomedical Safety Analyzer order.

Safety Analyzer Cables
F. BC20-20100 BC Biomedical Kelvin Cable (DNI Type). These cables will fit the following DNI/Fluke Biomedical models: 231, 232, 234, 235, 431, 432, u-Test 2000 & all model medTesters

G. BC20-20110 BC Biomedical Chassis (black) Cable (BC Biomedical/Dale Type)

H. BC20-20111 BC Biomedical External (red) Cable (BC Biomedical/Dale Type)



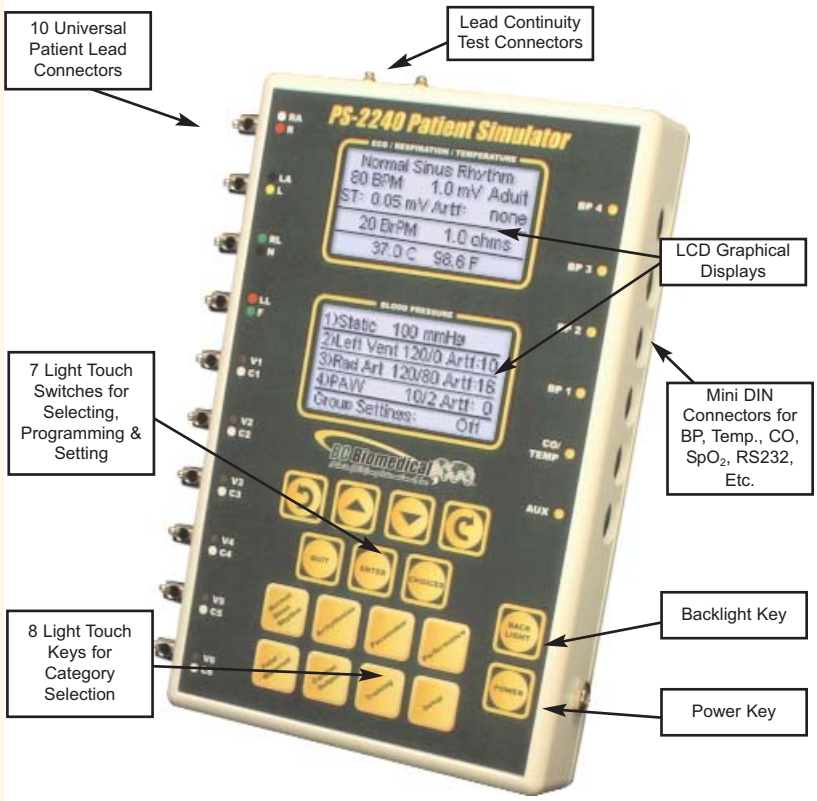
BC Biomedical Patient Simulator Series

This Multi-Parameter Patient Simulator Series is the most comprehensive, easy to use Family of Simulators on the market. These portable Simulators are intuitive to use since there are NO MORE CODES to enter. The simple scroll control of options make them the best choice for your routine PM of patient monitoring systems & arrhythmia recognition training needs. The SpO_2 simulation option makes this series a truly unique & versatile tool.

- Invasive Blood Pressure/ECG/Respiration/Temp.
- Drop down choice screens list all options for parameters
- Special power up feature allows the user to choose to use default, last or custom settings
- Auto sequences for BPM, static-pressure levels & performance
- 10 universal patient lead connectors (Extra space between posts for the largest connectors)
- Mini DIN connectors compatible with standard BP cables (Optional Mini DIN-M to DIN-F cable adapter BC20-40736 available for older style large DIN cables)
- % Battery life display & low battery indicator
- Powered by two 9V batteries or optional battery eliminator
- Display backlight
- Full remote operation via RS232
- Flash programmable for upgrades
- SpO_2, Cardiac Output & Fetal/Maternal options
- Special programmable training modes
- All BP Waveforms available on all BP Channels
- NEW BC Biomedical PSR-2200 Remote available for the PS-2200 Series (see page 7)

Flip for more info on this series - Pages D-H

PS-2240 Layout


10 Universal Patient Lead Connectors
Lead Continuity Test Connectors
LCD Graphical Displays
7 Light Touch Switches for Selecting, Programming & Setting
Mini DIN Connectors for BP, Temp., CO, SpO_2, RS232, Etc.
8 Light Touch Keys for Category Selection
Backlight Key
Power Key
PS-2240 Patient Simulator

Model	PS-2105	PS-2110	PS-2210	PS-2220	PS-2240
ECG Rates	17	7	17	17	17
ECG Perf. Waveforms	12	11	12	12	12
Pacemaker	Yes	No	Yes	Yes	Yes
Arrhythmias	36	12	36	36	36
Respiration	No	Yes	Yes	Yes	Yes
BP Channels	No	1	1	2	4
Temperature	No	Yes	Yes	Yes	Yes
Remote Compatible	No	RS232	← w/BC Biomedical PSR-2200 (See Page 7 for More Info) →		
SpO_2 Simulation	← w/BC Biomedical MSP-2100 & BC Biomedical FingerSim™ (See Page 11 for More Info) →				
Fetal Maternal	No	Yes	← FM Option (Add $395) →		
Cardiac Output	No	No	← CO Option (Add $395) →		
Training Mode	Yes	No	Yes	Yes	Yes
Size / Weight	8.6” x 5.5” x 1.6”/<2lb	8.6” x 5.5” x 1.6”/<2lb	8.6” x 5.5” x 1.6”/<2lb	8.6 “x 5.5” x 1.6”/<2lb	8.6” x 5.5” x 1.6”/<2lb

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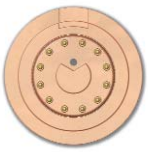
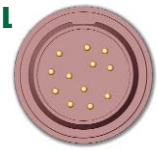
K 

L 

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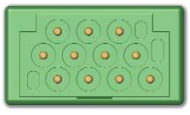
N 

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BC Biomedical ECG Simulator Series

Microprocessor based ECG Simulators. Provides ECG Simulation with four waveforms with constant QRS duration, six machine performance testing waveforms.

- **A. PS-2005** 5 Test Lead Model (Size: 5.1”x2.5”x1.0”).
- **B. PS-2006** 6 Test Lead Model (Size: 5.1”x2.5”x1.0”).
- **C. PS-2010** 10 Test Lead Model (Size: 6.7”x3.4”x1.3”)

Flip for more info on this series - Pages C-D

D. BC Biomedical Patient Simulator Remote PSR-2200.

How would you like to have all of your patient Simulator's outputs available to you on a handheld, easy to use remote control, up to 25-feet away from your Simulator? The PSR-2200 Programmable Patient Simulator Remote Control with Trending Capability brings an unprecedented level of functionality and ease of use to Patient Simulator remote control. There's nothing else on the market that even comes close to the PSR-2200.

Flip for more info on this item - Pages I-J

E. MicroSim Cardiac Output Simulator 1100 . . . . . .

- Four Blood flow rates (3,5,6 &7 L/min.) • Compact
- Two Blood temps (37°& 38°C) • Dual injectile temps (0°&20°C)

Optional Accessories:

- **1101** Baxter/Edwards Cable.
- **1103** HP Merlin Cable
- **1106** Marquette Cable
- Other cables needed? . . . . . **Call for Pricing**

F. BAPCO PS97S Universal Patient Simulator

Multiparameter Simulator with SpO_2 capability.

G. Universal Banana-to-Snap/ECG Adapters BC20-17024.

- Set of 10 Adapters • Accepts 3 & 4 mm ECG Leads

H. Banana-to-Snap/ECG Adapters BC20-17025

- Set of 10 Adapters • Accepts **only** 3 mm ECG Leads

Blood Pressure Cables - Mini DIN Style (for PS Series)

- **BC20-40736** Adapter Cable Large to Mini DIN
- **BC20-40737** Adapter Cable Mini to Large DIN
- **I. BC20-41301** TK-1 (6M) BCI International, Criticare, Critikon-Dynamap Plus, Invivo Research, Physio-Control, Protocol Systems, SpaceLabs 1050, 1700, PCMS, Tektronix-Squip
- **J. BC20-41308** Datascope -DS-1 (All) (6F)
- **K. BC20-41311** Fukuda Denshi- FD-2 DS3300 (12M)
- **L. BC20-41314** Hewlett Packard\Philips HP-3, 78-300, -500, -800 Merlin/Viridia (12m 5uV)
- **M. BC20-41315** Hewlett Packard\Phillips HP-4, 78-300, -500, -800 Merlin/Viridia (12m 40uV)
- **N. BC20-41319** Marquette Medical- MQ-2, 7000/Tram (8M round)
- **O. BC20-41320** Marquette Medical- MQ-3, Eagle, Tram . . Scope (11M rectangle)
- **P. BC20-41324** Nihon Kohden-NK-1(5M)
- **Q. BC20-41331** SpaceLabs-SL-1, ALPHA/703R, (5M)

Communication Cables - Mini DIN Style (for PS Series)

- **BC20-41337** RS232 Cable

Temperature Cables - Mini DIN Style (for PS Series)

- **BC20-41333** UT-1 YSI-400
- **BC20-41334** UT-2 YSI-700

Go online to view our Complete List of Blood Pressure Cables!

BC Biomedical Defibrillator Analyzer Series

DA-2006

A defibrillator analyzer developed for testing all external defibrillators. The unit may operate as a powerful stand alone device or may be incorporated into an automated PC-based & remotely controlled device. Includes: user manual, internal paddle adapters, protective plates & battery eliminator.

A. DA-2006P

A precision instrument for testing defibrillators & external (transcutaneous) pacemakers. The built-in test procedures & extensive resistance loads for pacer testing make the DA-2006P a versatile test instrument & solid value. Includes: user manual, internal paddle adapters, protective plates & battery eliminator.

Optional Accessories:

- **BC20-00427** Plastic Protective Plates (Set Included)
- **BC20-00432** Internal Paddle Adapters (Set Included)
- **BC20-41341** Communication Cable
- **BC20-30108** Soft Carrying Case

Flip for more info on this series - Pages K-L

Defib & Pace Adapters (for DA-2006 & DA-2006P)

- **BC20-00420** PhysioControl - Defib/Pace
- **BC20-00421** Marquette - Defib/Pace
- **BC20-00423** Zoll - Defib/Pace
- **BC20-00424** PhysioControl - Pace Only
- **BC20-00425** Zoll - Pace Only
- **BC20-00426** HP/Agilent/Laerdal/AAMI-Defib/Pace

B. PMT-100 External Pacer Tester with Case

- Tests invasive & non-invasive pacers
- Amplitude, rate & pulse width tests
- Demand sensitivity tests
- Sensed refractory period test

C. PMT-2000 External Pacer Tester & Analyzer w/Case.

This is the ultimate pacer tester designed for evaluating & testing of all Atrial/Ventricular Pacemakers including Transthoracic Pacers.

NEW

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NIST

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Economical & Convenient

All types & manufacturers served

ISO Registered

ANSI Z-540

More information on-line

D

E

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G

H

Sample Adapter

I

NEW

J

K

L

Female Luer Lock Connector

Male Luer Lock Connector

Female Metric Screw Type Connector

Male Metric Screw Type Connector

Male HP/Agilent Type Connector

Male Dinamap Type Connector with Wash Cap

Plastic Double Ended Tubing Connector

Female Plastic Luer Connector

Male Plastic Luer Connector

Female Metal Luer Connector

Male Metal Luer Connector

BC Biomedical NIBP-1000 Simulator Series

The NIBP-1000 series is a new Family of high quality, low cost, high function Microprocessor based NIBP Simulators. They were designed to meet the demand for a small, easy to use unit with multiple features to fit your exact needs.

NIBP-1010 (NIBP Only)
- Full Range Manometer • Flash Programmable
- Adult, Neonatal & Hypertensive modes
- Full Graphical Display • RS232
- SpO_2 Ready - Compatible w/MSP2100 Module (See Page 11)

Added Features:
- **-P** Peak Pressure Detect
- **-BP** Peak Detect & Battery (Built-in Rechargeable)

NIBP-1010KIT (NIBP only)
Includes NIBP1010-BP, Soft Carrying Case & Five Adapters

D. NIBP-1020 (NIBP, ECG Pace & Resp)
Has all of the NIBP1010 features plus: • Pace • Respiration • ECG - NSR • ECG - Test waveforms

Added Features:
- **-PA** Peak Pressure Detect & Alarm
- **-BPA** Peak Detect, Alarm & Battery (Built-in Rechargeable)

NIBP-1020KIT (NIBP, ECG Pace & Resp)
Includes NIBP1020-BPA, Soft Carrying Case & Five Adapters

Optional Accessories:
- **BC20-30111** Soft Carrying Case
- **BC20-41337** RS232 Communication Cable
- **E. BC20-40714** DINAMAP/Critikon Adapter
- **F. BC20-40715** Quick Disconnect Adapter
- **G. BC20-40716** Luer Adapter
- **H. BC20-40717** Marquette Adapter
- **I. BC20-40608** Bulb Adapter

Flip for more info on this series - Pages M-N

J. Clinical Dynamics AccuPulse

AccuPulse's innovative CalTables™ deliver accurate testing of NIBP monitors, typically within 1 to 2 mmHg or better, of the setting. Manufacturer-Certified NIBP Simulation Perform NIBP Testing with confidence. AccuPulse's CalTables™ were developed with, and certified by, NIBP monitor manufacturers. Everyone can now test using the same accurate and certified NIBP Simulator.

K. NIBP Fitting Kit BC20-40602

- HP cuff adapter • CPC connector
- Inflation bulb • Silicone tubing & tee
- Quick coupler with 1/8" MNPT

L. NIBP Adapter Kit BC20-40605

Connector kit for NIBP testers. Save time & money by buying this kit. Includes 11 connectors, pictured & identified on left.

NIBP Model Comparison Chart available upon request

BC Biomedical IPA-1000 System

The IPA-1000 Infusion Pump Analyzer System is a Microprocessor based system that tests flow rates.

BC10-03103 Includes IPA-1000 plus one 3.5 mL Chamber & one Interconnect cable

BC10-03104 Includes IPA-1000 plus one 35 mL Chamber & one Interconnect cable

BC10-03105 Includes IPA-1000 plus two 3.5 mL Chambers & two Interconnect cables

BC10-03106 Includes IPA-1000 plus two 35 mL Chambers & two Interconnect cables

A. BC10-03107 Includes IPA-1000 plus one 3.5 mL Chamber, one 35 mL Chamber & two Interconnect cables

Individual Components:

- **IPA-1000** Infusion Pump Analyzer Display
- **MC3.5-1000** 3.5 mL Chamber
- **MC35-1000** 35 mL Chamber

Optional Accessories:

- **BC20-30109** Soft Carrying Case
- **BC20-40607** IPA-1000 Interconnect Cable
- **BC20-21100** Battery Eliminator - 120V (U.S.)
- **BC20-21101** Battery Eliminator - 220V (European)

Flip for more info on this series - Pages U-V

B. Dale 4100

The Dale 4100 Infusion Pump Analyzer is a single channel system that tests flow, volume & occlusion pressure.

- Simple setup & operation
- RS232/Printer port

C. Infusion Pump Testing Kit BC20-40606-B

This test kit contains the necessary components to manually perform the most basic Infusion Pump testing. Includes:

- 500 mL graduated cylinder
- 60 PSI pressure meter for occlusion testing
- Digital stopwatch/timer

A

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C

Because one size does not fit all.

FLIP CATALOG FOR MORE INFO

BC Biomedical
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D

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(FingerSim™ not included)

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BC Biomedical FingerSim™

Provides SpO_2 outputs of 80, 90 & 97%. Simply push on the FingerSim™ to generate a "pulse" or include a calibrated pulse rate by adding the SPO-2000 or the MSP-2100.

D. Starter Kit (includes: 3 FingerSims™: 80, 90 & 97%, FingerSim™ Holder, Carrying Case & User Manual)

E. Replacement Set (80, 90 & 97% FingerSims™ only)

Flip for more info on this product - Pages S-T

F. BC Biomedical SPO-2000 Pulse Oximeter Simulator

- 30, 60, 90, 120, 150, & 180 BPM Pulse Rates
- Accepts BC Biomedical FingerSim™ to provide SpO_2 outputs of 80, 90 & 97%
- External wall transformer • Compact & cost-effective
- Maintenance-free

Optional Accessories:

- **BC20-40110** Hard Carrying Case for SPO-2000, FingerSims™ & Accessories

Flip for more info on this product - Pages S-T

G. BC Biomedical MSP-2100 Pulse Oximeter Module

- Accepts BC Biomedical FingerSim™ to provide SpO_2 output at 80, 90 & 97%
- Pulse synchronized with PS-2100, PS-2200 & NIBP-1000 products via Aux port
- Powered from Aux port

MSP-2100E 220V (European Version)
MSP-2100U 110V (U.S. Version)

Flip for more info on this product - Pages S-T

H. Clinical Dynamics SmartSat Pulse Oximetry Analyzer. $3895

Tests the pulse oximeter & the probe separately. Direct electrical simulation. Unmatched accuracy & reliability.

Optional Accessories:

- **BC20-40720** Soft Carrying Case

I. Nellcor SRC-MAX Pocket Tester Series

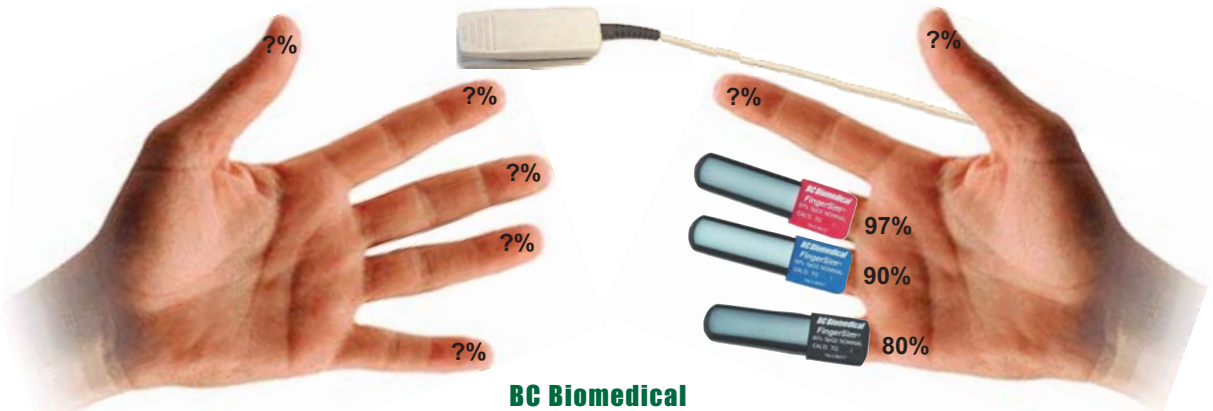
The SRC-MAX is intended for qualified technicians to functionally test Nellcor OXIMAX technology-based pulse oximeters & OEM OXIMAX technology-based monitors.

SRC-MAX (Basic Model)
SRC-MAX-C (Basic Model with C-Lock cable)
SRC-MAX-T (Basic Model with 3-Lead ECG Cable)
SRC-MAX-CT (Basic Model with C-Lock & 3-Lead ECG Cables)

J. Nellcor SRC-2 Pocket Tester

Quickly & conveniently tests most of the Nellcor oximeters.

Wouldn't it be nice to have calibrated fingers?



BC Biomedical FingerSim™

A. BC Biomedical USP-30 Ultrasound Wattmeter

Simple yet accurate. Uses a unique "balance beam" apparatus. Turn dial to balance indicator, take a dial reading & multiply by the calibration factor on the USP-30 to calculate Watts.

- Comes with a removable carrying lid
- 1 & 3 mHz Response • Built-in transducer holder

Flip for more info on this product - Pages Y-Z

B. BC Biomedical USP-100A Digital Ultrasound Wattmeter

A compact, digital & affordable way to test both 1 & 3 mHz therapy ultrasounds. Great size for field service.

- 0.1 to 30.0 Watt range, ± 5% accuracy
- 1 to 10 mHz Frequency response
- 3" Max transducer diameter • Built-in transducer holder
- Degassed Water Testing medium
- Eight AA Batteries or 120V power
- Size / Weight: 8"x8"x8.75" / 7 lbs • RS232 Port

Flip for more info on this product - Pages Y-Z

C. UMA UMR-3D Digital Ultrasound Wattmeter

From UMA - The people who developed the original soft membrane/water-coupled ultrasound wattmeter. Housed in a rugged metal case.

- 1 & 3 mHz Response • Built-in transducer holder
- Sealed water well • ± 3% Accuracy • Digital readout

Optional Accessories:

- **RS232 Port & Software** (captures data on your PC)

D. Ohmic DT Series

Housed in a rugged metal case, both models come with a removable carrying lid.

- Built-in transducer holder • ± 3% Accuracy
- Frequency range: 1 to 10 mHz • Digital readout
- RS232 Capabilities • Size / Weight: 11"x15"x10"/ 22 lbs

DT-1
DT-10

E. Extech 160393 Digital Hanging Scale

Includes hook; measures hanging weight up to 33 lbs

F. Extech 475040 Digital Force Gauge

Measures push/pull to 176 oz/5000 g

G. Chatillon 130 Push/Pull Scale

Measures push/pull to 100 lb x 1 lb

- Easy to Use • Japanned finish, plated hook & loop
- Precision Steel Springs individually calibrated with certified weights
- Heavy Duty Construction • Large Avoirdupois Readings
- Accuracy ±1% Graduation • Metric & Pound Equivalents

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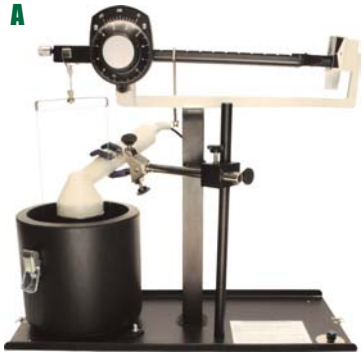

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Educational Assistance Program

BC Group has designed a program to assist schools with Biomedical Training Courses to obtain the latest *BC Biomedical Test Equipment* at a discounted price. A discount will be granted to qualified educational institutions on orders for *BC Biomedical Products* (when the products are used for instructional purposes).

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H. Bacharach 3010 Nitrous Oxide Analyzer 19-7109

This personal N_2O gas monitor provides a cost-effective means of monitoring occupational exposure to anesthesia gas in operating rooms, recovery rooms, surgical centers, dental offices & veterinary offices. A built-in data logger provides traceable readings for record-keeping purposes. An audible alarm circuit activates when the surrounding N_2O level exceeds a preset limit. This product represents a breakthrough in terms of both size & price.

- TWA (Time-Weighted Average) & twa (Elapsed Time Average) Capabilities
- Built-in data logging—800 readings; Software available for data download
- Three Year Sensor Warranty • Rechargeable NiMH batteries
- Internal sampling pump
- Compact & lightweight: 5.5”x2.6”x0.8”; 7 oz
- N_2O Range: 1 to 1000 ppm; 5 ppm resolution

Optional Accessories:

- **BC20-30101** Protective Rubber Boot/Stand
- **19-3301** 3010 IrDA Interface Software
- **19-3302** Car Charger
- **BC20-40703** 0.2 Micron Replacement Filter (ea)

I. Bacharach ComfortChek 100 & 200

The Comfort Check provides an effective monitoring solution for indoor Air quality analysis.

- Built-in data logging for storing up to 200 readings
- Stored data easily downloaded through host software
- Up to 10 hours of operation on one charge
- Charge-and-run capability for long term monitoring
- Convenient zero function • Long-life sensors
- Ideal for trend analysis

19-8048 ComfortChek 100 measures CO, barometric pressure, temp & humidity
19-8049 ComfortChek 200 measures CO_2, barometric pressure, temp, humidity & CO (w/built-in pump)
200 Kit 200 Unit plus Software kit & hard case

J. Alnor EBT-721-A1 Electronic Balancing Tool

Testing device for the HVAC test & balance professional that features a multipurpose digital manometer, a capture hood, a relative humidity & temperature probe, an Air flowprobe, a pitot probe, static pressure probes or a velocity matrix (optional).

HVAC Thermo-Anemometers

Handheld units. Measure velocity & temp.

K. **Alnor 8570** Measures volume too
Alnor 9870D
Extech 407123-NIST

Bacharach Environmental Monitoring Equipment

2815 CO_2 Analyzer with pump 0 to 10,000 ppm
2820 CO_2 Analyzer 0 to 60%

Environmental Sensors Monitoring Equipment

Z-100 Ethylene Oxide Monitor
Z-200 Glutaraldehyde Monitor
L. **Z-300** Formaldehyde Monitor

TIF Environmental Monitoring Equipment

8500A Carbon Monoxide Analyzer 1 to 1,999 ppm

M. TIFVA500A Digital HVAC Analyzer

Measures all HVAC inlet/outlet parameters

BC Biomedical DPM-2000 Series

This Microprocessor based series of meters offers not only positive & negative pressure sensing of compatible liquids & gases, but also has models that offer Temperature & RS232.

A. **DPM-2001** (Pressure, Vacuum)
B. **DPM-2001PLUS** (Capture, RS232)
C. **DPM-2100** (Adds: Temp, Capture, RS232)
D. **DPM-2201** (Pressure, Vacuum)
DPM-2202 (Adds: Capture, RS232)
DPM-2251 (Differential Pressure, Vacuum)
DPM-2252 (Adds: Capture, RS232)

Optional:

- **BC20-21100** Battery Eliminator - 120 V (U.S.)
- **BC20-21101** Battery Eliminator - 220 V (European)
- **BC20-21102** RS232 Communications Cable
- **BC20-30106** Soft Carrying Case
- **-DC** DC Output (DPM-2200 Series Only)
- **Second Pressure Sensor** (DPM-2200 Series Only)
- **Temp Option** (DPM-2200 Series Only)

Flip for more info on this series - Pages O-R

E. Meriam Smart Manometer 350 & 351 Series

The 350 Series has a ± 0.05% of FS accuracy (ex:350DN0020; ± 0.10% of FS) & 351 Series a ± 0.025% of FS

Model	Range	Type
DN2000	0 to 2000" H_2O	Differential Non-isolated
DN0200	0 to 0200" H_2O	Differential Non-isolated
DN0020	0 to 0020" H_2O	Differential Non-isolated
GI2000	0 to 2000 PSI	Gauge Isolated
GI0200	0 to 0200 PSI	Gauge Isolated
GI0020	0 to 0020 PSI	Gauge Isolated
AI2000	0 to 2000 mmHg	Absolute Isolated

Optional Accessories:

- **A34386** Connector Kit (call for details)
- **A35372** Soft Carrying Case
- **A900016-50001** ABS Plastic Carrying Case
- **Option-K Kit** Includes: Hand pump (pictured on page 15; B34686 pressure pump for DN & GI models; B34700 vacuum pump for AI model) & a plastic carrying case

F. Meriam Digital Absolute Pressure Meter A1500MH

- Reads Barometric Pressure Directly
- Range 0 to 1500 mmHg • Power: 9V Alkaline
- Media Compatibility: Clean, dry, non-corrosive gases only
- Includes: Battery & Calibration Certificate

G. Meriam Merigauge Digital Pressure Meters

- Ranges: 10, 50, 100, 500, 1000, 1500, 3000 & 5000 PSI
- Accuracy: ± 0.25% of FS • Connection 1/4" MPNT
- Media Compatibility: gas or liquids

H. Meriam Minigauge Digital Pressure Meters

- Ranges 50 to 10,000 PSI • Accuracy: ± 1% of FS
- Media Compatibility: Gas or Liquids • Connection 1/4" MNPT

3800-GI0100 0 to 100 PSI Gauge
3800-GI0500 0 to 500 PSI Gauge
3800-GI1000 0 to 1000 PSI Gauge
3800-VI0050 0 to 30" Vacuum Gauge

I. WIKA Pressure Gauges with Calibration

- ± 0.5% to ± 1.5% of FS accuracy typical
- Variety of wetted parts • Rugged, corrosion resistant

Model	Range	Accuracy	Size
232.54/30	0 to 0030" Hg	± 1.5% FS	2.5"
232.54/100	0 to 0100 PSI	± 1.5% FS	2.5"
232.54/300	0 to 0300 PSI	± 1.5% FS	2.5"
232.54/30-4"	0 to 0030" Hg	± 1.0% FS	4.0"
232.54/100-4"	0 to 0100 PSI	± 1.0% FS	4.0"
232.54/300-4"	0 to 0300 PSI	± 1.0% FS	4.0"
232.54/1000-4"	0 to 1000 PSI	± 1.0% FS	4.0"

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J. Universal Manometer Adapter Kit BC20-40603

Everything you need to connect a pressure meter, regardless of application.

- 15 different fittings: CPC, luer, pipe, barb, etc.
- Inflation bulb with valve • Tygon tubing & more

K Meriam Hand Pumps

- **B34686** 145 PSI Pressure Hand Pump (for Meriam Smart Manometer DN & GI Models)
- **B34700** 650 mmHg Vacuum Hand Pump (for Meriam Smart Manometer AI Models)

L. Ralston Pneumatic Hand Pump DP0V-0000

- Ranges 0 to 80 PSI
- Includes: pressure pump, one hose with 1/4" MNPT adapter

M. Amprobe Ultrasonic Leak Detector ULD-300

The ULD-300 "hears" the ultrasonic noise created by any gas moving through a small orifice. This method of detection enables it to pinpoint leaks of any gas, regardless of type.

TIF Halogen Leak Detectors

Carrying Case included with all models.

TIFXL-1A Single Sensitivity Range
TIFRX-1A Dual Sensitivity Range
N. TIFXP-1A Seven Sensitivity Settings
TIF5750A Two Sensitivity Settings plus Scan mode, detachable probe & leak Intensity Indicators

Ansonics Ultrasonic Son-Tector Leak Detector Packages

A preventative maintenance tool, used to rapidly locate & pin-point leaks & malfunctions in a wide variety of equipment.

112 Package
O. 123 Package (pictured)

P. Snoop® Liquid Leak Detector

Specially formulated liquid that adheres to vertical surfaces with better & longer bubbling to indicate leaks.

Pack of Six 2 oz. bottles
Pack of Five 8 oz. bottles
One Gallon bottle

We carry the complete Meriam Instrument Product Line. Contact us with your needs!

meriam process technologies
a Scott Fetzer company

A. Ohmic AMM-15 Dew Point Meter
Verifies dew point of pressurized medical gases per ANSI & NFPA99. Range of -40° to +80°F. Max temp of +140°F. Max pressure of 175 PSI.

B. Sahara Dew Point Meter with Case
Capable of measuring dew points ranging from -148° to +86°F. The probe can be used in environments with temperature swings
between -166° to +158°F. Includes: NIST Traceable Calibration Certificate & Hard Carrying Case.

C. Medical Gas Outlet Fitting Kit BC20-40630
Contains all of the fittings/adapters needed to test most outlets (Ohmeda®, Diamond, DISS, Puritan-Bennett & Chemtron) for common gases: Air, Oxygen, Nitrous Oxide, Vacuum, Evac & Nitrogen.

Gelman Particulate Filters & Accessories
1119 Poly Holder for 47 mm filters (50 PSI Max)
D. **1235** Aluminum Holder for 47 mm filters
7245 Petri dishes, 47 mm filter protection (per 100)
E. **51147** Forceps for handling filters
66149 PTFE Filters 47 mm x 0.45 micron (pack)
66408 47 mm x 0.45 micron filters (pack)

Flowmeters
All prices include Calibration Certificate.
GF-8431-2126 Gilmont Industrial 30 to 280 PM Air Flowmeter
F. **GF-8431-2127** Gilmont Industrial 25 to 425 PM Air Flowmeter
FR4A65BVBN Key Instruments 1 to 10 SCFM Air Flowmeter
G. **FR4A67BVBN** Key Instruments .5 to 5 SCFM Air Flowmeter
FR4A70BVBN Key Instruments 30 to 300 PM Air . . . . . Flowmeter
H. **B18J201B126** Matheson 260 Liter Flowmeter with Valve

B18J201B127 Matheson 320 Liter Flowmeter with Valve

Be sure to check out TSI Mass Flowmeters on Page 19.

I. Medical Gas Hard Carrying Case 221609
Diced foam. Customize to meet your needs. Usable for any test equipment but this is the ideal size for a medical gas assortment. Dimensions: 21.5”x15.5”x9”.

WESTERN MEDICA

We carry all
Amvex & Western Medica Products...
Adapters, Hoses, Regulators & more.
Call us with your needs!

Amvex Corporation

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J. Bacharach MGC 100 N_2O Monitor 19-8058

Handheld. Quick charge capability. Range of 40 to 100%. Internal Sampling pump. Includes flow restrictor.

Optional Accessories:

- **19-3302** Car Charger
- **BC20-30100** Protective Rubber Boot/Holster
- **BC20-30105** Hard Carrying Case
- **BC80-00246** Replacement Flow Restrictor

K. Bacharach MGC 200 CO_2/CO Monitor 19-8059

Measures 0 to 10,000 ppm CO_2 & 0 to 500 ppm CO. Includes Flow Restrictor & Charger. Maintenance Free-Infrared CO_2 Sensor & Electrochemical CO Sensor.

Optional Accessories:

- **19-3302** Car Charger
- **BC20-30101** Protective Rubber Boot/Holster
- **BC20-30105** Hard Carrying Case
- **BC80-00246** Replacement Flow Restrictor

L. Western Industrial N_2 Purging Regulator RFS-7P

- Brass body resists corrosion • Easy-to-read 2" press. gauge
- Self re-seating pressure relief valve protects against over-pressurization
- Size / Weight: 7.5"x4.5"x6.5" / 3 lbs 3 oz

Medical Gas Installation Tools

These two devices allow medical gas installers to comply with NFPA 99 2002 where it requires that the Nitrogen source of the purge gas shall be monitored & the installer shall be audibly alerted when the source content is low.

M. LPWD Low Pressure Warning Device
Designed to monitor pressurized gas & alarm when pressure drops below a user adjustable pressure range 25 to 110 PSI with a 300 PSI Max pressure rating

N. S3000-1/4 Low N_2 Pressure Gauge
A general purpose 0 to 4000 PSI gauge suitable for use with Nitrogen. This gauge will alarm both visually & audibly when pressures falls below 500 PSI (± 150 PSI). Gauge has a 2" face & 1/4" MNPT connection.

We carry the complete line of Bacharach Gas Monitors & Leak Detectors. Please contact us, if you don't find what you're looking for.

BACHARACH
The Measurable Difference

Contact us for your Medical Gas Price Guide a Easy to Use Reference for all of your Test Equip Needs.

A. TSI Certifier-FA PLUS High Flow Vent Test Syste

4080 - Includes Controller Module (Model 4088) and High Flow Module (Model 4081) AC adapter bacteria filter, pressure tubing and adapters, operator's manual, National Laboratory traceable Certificate of Calibration & soft-sided carrying case.)

- Color touch screen graphical user interface • Graph mode
- Supports Adult, pediatric, anesthesia, Neo-natal & high frequency ventilators
- Bi-directional and unidirectional gas flow capabilities
- Print & data storage - 1 MB of internal storage & 64 MB optional SD flash card
- Volumes and flow in BTPS, BTPD, Actual, Standard or user defined standard
- Calibrations for Air, Oxygen, Air/Oxygen mixture, nitrogen, Nitrous Oxide (low flow module only), and carbon dioxide
- High pressure port – to 150 PSIG • Rates up to 1500 BPM

Optional Accessories:

- **4082** Low Flow Module
- **4073** Oxygen Sensor Kit: Adds O_2 measurement capability to Certifier FA Test System
- **1303860** Printer Cable
- **1208061** Extra Battery Pack/Charger Kit

B. TSI Certifier-FA Respiratory Vent Test System

Simply the best way to test ventilators, Oxygen concentrators & other respiratory & flow devices. A complete measurement solution for Air, Oxygen & Nitrous Oxide.

4070 High Flow Test System (Includes controller module, high flow module, four AA batteries, filter, pressure tubing & adapters, flow module mounting bracket, screwdriver, manual, NIST-traceable Calibration Certificate & soft-sided carrying case)

Parameter	Specification
High Flow Air or O_2	0 to 300 SLPM; ± 2% of reading or ± 0.075 SLPM
High Flow Air/O_2 Mix	0 to 300 SLPM; ± 4% of reading or ± 0.075 SLPM
Low Flow Air or O_2	0.01 to 15.00 SLPM; ± 2% of reading or ± 0.010 SLPM
Low Flow N_2O	0.01 to 15.00 SLPM; ± 4% of reading or ± 0.075 SLPM
Volume Air or O_2	0 to 10 L; ± 2% of reading or ± 0.075 SLPM
Volume Air/O_2 Mix	0 to 10 L; ± 4% of reading or ± 0.075 SLPM
High Pressure	N/A ***(See Meriam Smart Manometer (Page 14): 0-72 PSIG @ ± 0.05% FS)***
Low Pressure	-25 to 150 cmH_2O; ± 0.75% of reading or ± 0.20 cmH_2O
Breath Rate	0.5 to 120 BPM (± 5%)
I:Time	0.25 to 60 seconds (± 0.01 sec.) (E:Time Not Displayed)
I:E Ratio	1:100.0 to 100.0:1 (± 5%)
Minute Volume	0 to 99.00 stp L (± 7%)
Barometric Pressure	375 to 1,500 mmHga; ± 8 mmHga
Oxygen	0 to 100%; ± 2% at Calibration Conditions
Portability	Complete Kit Case - 11"x8"x4" / 3 lbs
Power	Four AA - Battery Life 15 to 20 Hours

B

Optional Accessories:

- **350-DN2000** Meriam Smart Manometer Recommended Pressure Meter for Vent Testing (See Page 14)
- **4072** Low Flow Module
- **4073** Oxygen Kit: Adds O_2 measurement capability to Certifier FA Test System
- **1319288** TSI Certifier Hard Carrying Case
- **BC20-40700** TSI Certifier Protective Boot & Stand
- **BC20-40701** Low Flow Filter
- **BC20-40702** High Flow Filter
- **PSR-11-917J** Replacement O_2 Sensor

RT-200 Trade-In Program

BC Group will take your working/non-working RT-200 & will give you up to $500 towards a NEW TSI Certifier System!

All RT-200 Models accepted for Trade-In Program

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C. Mallinckrodt (NPB) BreathLab PTS-2000 Ventilator Analyzer 4-076185-00

- Accurately measures pressure, flow, volume, Oxygen concentration & barometric pressure & N_2O flow
- Measures Air, O_2, Air/O_2 mixture • User-replaceable O_2 sensor
- Single-multifunction screen; portable, lightweight, rugged design
- 20 selected parameters on 10 user-configurable screens
- Numeric display of two real-time measurements
- Auxiliary menu for O_2 calibration & sensor management
- English & metric units for pressure, flow & volume

Optional Accessories:

- **BreathLab Software**
- **4-075359-00** Model 840 Vent Software
- **4-076164-00** Hard Carrying Case
- **4-076599-00** Model 840 Vent Accessory Kit

TSI General Purpose Mass Flowmeters

- Flow rate, volume, temperature, pressure in one instrument
- High accuracy - 2% of reading • Multi-gas, user selectable
- Built-in temperature & pressure sensors for high accuracy without external compensation
- Standard L/minute or Volumetric L/minute
- RS232 & Analog outputs

4040 Mass Flowmeter User selectable Gas calibration (Includes: Air, N_2, O_2, Air/O_2 Mix; Flow range up to 300 L/min & 22 mm ISO tapered O.D. inlet/outlet size)

D. 4140 Mass Flowmeter User selectable Gas calibration (Includes: Air, N_2, O_2, N_2O; Flow range up to 20 L/min & 0.25 in O.D. inlet/outlet size)

Optional Accessories:

- **E. 4199** Flowmeter Battery Pack Base

BC Biomedical LS-2000 Lung Simulator Series

Airway resistance, lung compliance & leakage widely adjustable.

F. LS-2000A Adult Lung Simulator
LS-2000I Infant Lung Simulator

G. "Manley" Lung Simulator

A long-time industry favorite. Acts as a simulated physiological load for the ventilator being tested.

- Volume range: 0.3 to 1.0 L • Variable airway resistances
- Variable compliances
- Use alone or with an electronic ventilator analyzer.

We service Manley Lung Sims & carry replacement parts!

Test Lungs

10107 Infant
H. BC20-40200 Adult

I. Mark 8 Respirometer

Two Dials. Small dial: 0 to 1 L. Large dial: 0 to 100 L.

Optional Accessories:

- **J. 19-00481** Adapter that connects a respirometer to a ventilator drive gas hose
- **BC20-01007** Respirometer Wright Guard

K. BC78XX Test Box (Ohmeda®)

Test box simplifies testing of Ohmeda® anesthesia ventilators. Includes a 24" connecting cable.

Optional Accessories:

- **BC78XX-CABLE** Replacement 24" cable (also fits Ohmeda® 78XX test box model)

Special Tools for Anesthesia

L. 10195K29 Krytox® Oxygen-compatible Lubricant (one tube)
M. 1204K32 Dow Corning 111 (Dräger) Stopcock Lubricant/Sealant (two tubes)

A. Riken FI-21 Portable Gas Indicator

This Anesthetic Gas Indicator measures vaporizer output concentration using a digital display & does not require correction factors. Measures concentration in percentage for Desflurane (Suprane), Sevoflurane, Isoflurane (Forane) & Halothane. The battery operated FI-21 allows the user to select the carrier gas (O_2 or Air) & has an internal pump. Includes: Sampling Tube, Carrying Case & Sampling "T" Piece.

B. Riken 18 Anesthetic Gas Analyzer Series

The standard for anesthesia testing.

Riken 1802D

• 0 to 20% • Used for Desflurane

Reconditioned Riken 18-REC

• 0 to 6% • Comes with Riken 18 Accessory kit

Optional Accessories:

- **BC20-40611** Riken 18 Accessory Kit (Includes: aspirator bulb, mixing T & teflon tubing)
- Agent Evacuation **Safety Kit** with an F/Air canister

C. Gilmont GF1160 500 mL Flowmeter with fitting kit

- To check monitor pump flow rates
- Correlated flowtable • Calibration Certificate Included

D. Recon. Ohmeda® 5330-REC Anes. Agent Monitor

Comes with accessories.

Anesthesia Pressure Meter Adapter Kits

Easily connect a pressure meter to popular anesthesia machines.

E. BC20-40600 Ohmeda® High Pressure Kit

- For testing: Model I & II Secondary Regulator, Excel Secondary Regulator, 7000 Vent Primary Regulator, Modulus CD & Mod II Plus Primary & Secondary & 78XX Primary Regulator

F. BC20-40601 Ohmeda® Low Pressure & Dräger Combo Kit

- Ohmeda® Tests: Absorber Gauge, 78XX High Pressure Limit Test, 7000 Mechanical Relief Valve Test, Select-a-tec Port Valve Leak Test, Tycos Gauge & Pressure Monitor Test, 2120/2110 NIBP Calibration & 5250/5330 Barometric Pressure Calibration
- Dräger Tests: NIBP Inflation Pressure Test, Manual Sphygmomanometer, Model 2A Breathing Pressure Monitor, Auxiliary Flowmeter, Model 3 & 4 Breathing Pressure Monitor & Leak Test

Optional Accessories:

- **10-02** CPC Coupler 1/8" MNPT
- **021-140** Inflation Bulb with valve
- **22-02** CPC Connector 1/8" Barb

Contact us for your Anesthesia Price Guide an Easy Reference for all of your Test Equip Needs.

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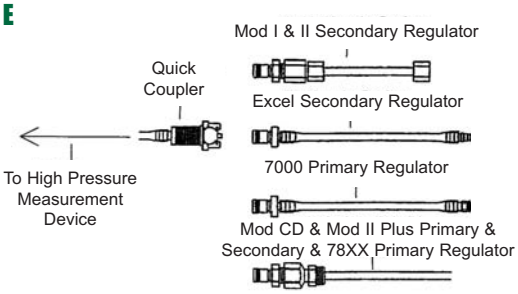
Mod I & II Secondary Regulator
Quick Coupler
Excel Secondary Regulator
7000 Primary Regulator
To High Pressure Measurement Device
Mod CD & Mod II Plus Primary & Secondary & 78XX Primary Regulator

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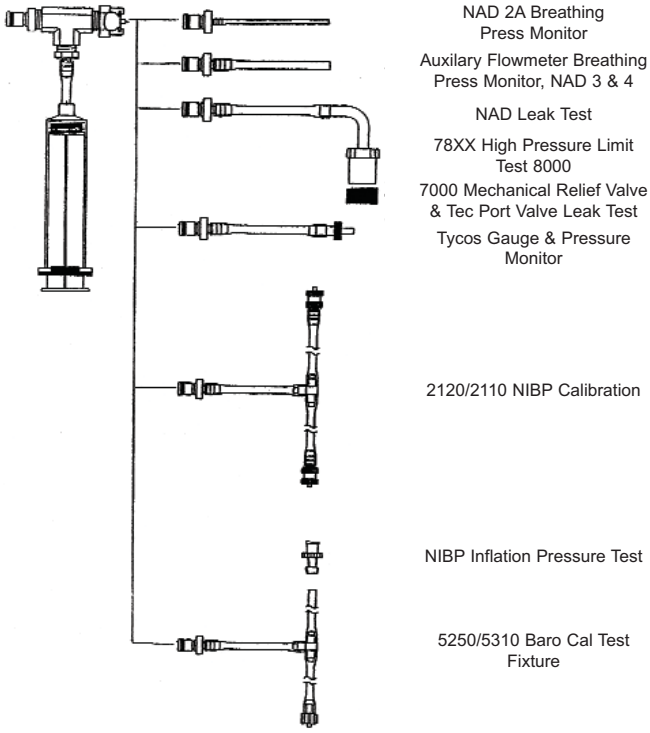
GMS Type Absorber Gauge
NAD 2A Breathing Press Monitor
Auxilary Flowmeter Breathing Press Monitor, NAD 3 & 4
NAD Leak Test
78XX High Pressure Limit Test 8000
7000 Mechanical Relief Valve & Tec Port Valve Leak Test
Tycos Gauge & Pressure Monitor
2120/2110 NIBP Calibration
NIBP Inflation Pressure Test
5250/5310 Baro Cal Test Fixture

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G. Mini-Ox I Oxygen Analyzer

This portable unit comes with battery life indicators, an easy-to-use thumb wheel calibration dial & a push-button ON/OFF switch. Powered by one 9V battery, the MiniOX I Oxygen Analyzer provides up to 1400 hours of use.

- Range - 0 to 100% O_2
- Linearity - ± 2%

Optional Accessories:

- **710462** Carrying Case
- **PSR-11-917-J** Replacement Sensor

H. Mini-Ox 3000 Oxygen Monitor

Features high & low Oxygen concentration alarms, automatic calibration, battery life indicators & alarms, sensor/cable disconnect alarm & an alarm verification indicator. The MiniOX 3000 Oxygen Monitor is perfect for "in line" Oxygen monitoring in such applications as hospital & home ventilators, NICU & anesthesia delivery equipment.

- Range - 0 to 100% O_2
- Linearity - ± 1%

Optional Accessory:

- **PSR-11-917-J** Replacement Sensor

I. AII-2000A Oxygen Analyzer

- Range - 0 to 100% O_2
- Accuracy - ± 1% full scale at Constant Temp & Pressure
- Resolution of Display - 0.1% O_2
- Sensor Life - 60 months in Air
- Warranty - Analyzer Two Years, Sensor 18 Months

Optional Accessories:

- **AII-11-60** Replacement Sensor

J. AII-2000M Oxygen Monitor

Same features as the AII-2000A Oxygen Analyzer (above), but provides a Low Limit Alarm 15 to 100%

Optional Accessories:

- **AII-11-60** Replacement Sensor

Replacement Anesthesia O_2 Sensors

(See online guide for more information.)

- **K. PSR-11-915**
- **PSR-11-915-1**
- **PSR-11-915-2**
- **L. PSR-11-915-3**
- **PSR-11-915-4**

Replacement Respiratory O_2 Sensors

(See online guide for more information.)

- **M. PSR-11-33**
- **PSR-11-33-2**
- **N. PSR-11-55**
- **PSR-11-77**
- **O. PSR-11-917-J**
- **PSR-11-917-M**

We carry O_2 Sensors for <u>all</u> Major Oxygen Analyzer Manufacturers, including the following:

Draëger
Ohmeda®
Hudson
Puritan Bennett
Teledyne

Tachometers

A. **Ametek 1726** Combo Photo/Contact Tachometer with Calibration Certificate

B. **Extech 461893** Photo Tachometer with Calibration Certificate
Extech 461895 Combo Photo/Contact Tachometer with Calibration Certificate

C. **TIF780** Infrared Tachometer

Optional Accessories:
- **BC20-40705** Phototach Reflective Strip Material (2 ft)
- **Extech 461830** "Strobotach" Strobe Light

D. BC Biomedical EndoProjector™ BC10-12502

Fits most popular rigid endoscopy fiber light cables. 0.75" diam. x 1.375" long.

E. Extech 365528 Digital Big-Digit Stopwatch

Useful for IV pump testing & more. Comes with clock function & alarm modes.

Extech 407355 Noise Dosimeter

Measure total sound exposure over an eight hour period. % dose, dB & more.

Optional Accessories:
- **NIST Traceable Calibration Certificate**

Extech 407740 Sound Level Meter

Digital, handheld. Response: 500 to 10 kHz; 0.1 dB resolution; ± 1.5 dB @ 1 kHz.

Optional Accessories:
- **NIST Traceable Calibration Certificate**

Extech 407766 Sound Level Calibrator

94 dB & 114 dB Levels @ 1 kHz.

Optional Accessories:
- **NIST Traceable Calibration Certificate**

F. Extech 401025 Visible Light Meter

0 to 5000 Fc & 0 to 50,000 Lux, digital, handheld, ± 5% Accuracy.

Optional Accessories:
- **NIST Traceable Calibration Certificate**

G. Extech EA30 EasyView Light Meter

- Widest range to 40,000 Fc/ 400,000 Lux is ideal for outdoor applications
- Utilizes precision silicon photodiode sensor
- Complete with a built-in stand, remote sensor with a protective cover, protective rubber holster, a five foot coiled cable for easy storage & six AAA batteries

H. Ohaus Analytical Balance/Scales

Ohaus makes a wide variety of digital balances (scales) ranging from portable to lab quality. Options & features available include: draft guards, carrying cases, RS232 output & much more.

We carry <u>all</u> Ohaus Products. Contact us with your needs!

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I. BC Biomedical ESU-2000A ESU Analyzer with Kit

- 6 Selectable Loads from 50 to 500 ohms
- Return Contact Monitor Test with 1 ohm steps.
- Power, Current & RF Leakage Measurement
- No Batteries/Power Cords • Easy-to-read color-coded meter

Optional Accessories:

- **J. BC20-00120** Replacement Accessory Kit
- **BC20-30108** Soft Carrying Case
- **FWH-½ .5AMP** Replacement Fuse

Flip for more info on this series - Pages W-X

K. Ophir Smart Display Laser Meters & Heads . . . . . .

. . . . . **Call for Specific Pricing & Availability!**

Any of the more than 70 Ophir smart heads are calibrated & configured to measure laser power & energy with that head.

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A **Certificate of Accuracy** (**COA**) is proof that the nominal values represented by the mass in question have been designed & manufactured to within exacting specifications.

With **National Institute of Standards & Technology** (**NIST**) Certification the individual weight or weight set is automatically assigned a serial number.

Rice Lake Precision Weights & Weight Sets

Precision Laboratory Stainless Steel Weight Sets for testing analytical balances & digital scales.

Cast Iron Grip Handle Weights for Testing Patient Scales

	Class	Not Cal'd	w/COA	w/NIST
2 lb	7			
5 lb	7			
10 lb	7			
20 lb	F			
25 lb	F			
30 lb	F			
50 lb	F			
100 lb	F			

Precision Weight Sets

1 g to 1 kg Set				
1 g to 2 kg Set				

Other weights available, please call us with your needs!!

A. Will'tek 9101 Handheld Spectrum Analyzer

Compact but a full-function instrument with a bandwidth from 100 kHz to 4 gHz. It is the ideal box for applications where RF must be measured in the field. This is a product that is very clear & easy-to-learn for all.

- Lightweight & high battery power (Extd. Battery Pack Incl'd)
- Wide bandwidth up to 4 gHz
- Fast sweep speeds & Max-hold to catch intermittent faults
- LAN & serial port, with data exchange software (for remote monitoring)
- Large, bright color display with a 1 button, intuitive control panel

Optional Accessories:

- **M241013 Soft Carrying Case**

Hameg Spectrum Analyzers

B. **HM5014** 0.15 to 1050 mHz (Readout/Marker) with Tracking Generator
HM5510 0.15 to 1050 mHz

Hameg Oscilloscopes

Known for their crisp, bright CRT displays, innovative features & high quality. Price includes a Three Year Warranty.

HM303 35 mHz analog with component tester
C. **HM504** 50 mHz analog with autoset, readout & cursor...

HM507 50 mHz digital storage, autoset, readout & cursor
HM1508 150 mHz, digital storage, autoset, readout & cursor
HM2005 200 mHz dual timebase, readout & cursor

D. Fluke 123/003 ScopeMeter

RS232 compatible & comes with a Three Year Warranty.

- 20 mHz Bandwidth • Two Scope Vertical Channels
- Two DMM Channels

Optional Accessories:

- **BP120** Spare Battery Pack
- **C125** Soft Carrying Case
- **Calibration Certificate**

E. Fluke ScopeMeter 190-Series

Fluke 196BM (100 mHz Bandwidth)
Fluke 196CM (100 mHz Bandwidth)
Fluke 199BM (200 mHz Bandwidth)
Fluke 199CM (200 mHz Bandwidth)

F. Gold Scope Probe Kits

The "Gold Probe" has been designed specifically for use with Tektronix, Hewlett Packard & other high performance oscilloscopes. The Gold-plated tips, sprung hook, ground lead, alligator tip & other critical interconnect points with in the Gold Probe, provide excellent contacts for probing low-level analog signals.
4901-2 Basic 7 piece Kit.
4901-2K Deluxe 17 piece Kit

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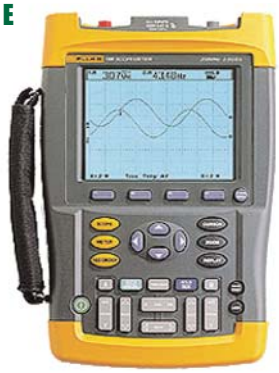

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will'tek

Will'tek Spectrum Analyzers Lease-to-Purchase & Rental units available. Call us with your needs!

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G. Amprobe ACD-10 Pro TRMS Digital Clamp-On Meter
- True RMS • 0 to 600 V
- 0 to 400 amps AC • Carrying Case & Leads Included

Optional Accessories:
- **NIST Calibration Certificate**

Amprobe ACD-330T Digital Clamp-On Meter
- True RMS • 0 to 1000 VAC/VDC
- 0 to 1000 amps AC • Resistance
- Carrying Case & Leads Included

Optional Accessories:
- **NIST Calibration Certificate**

H. Amprobe ACDC-620T Digital Clamp-On Meter
- True RMS • 0 to 1000 VAC/VDC
- 0 to 400 amps DC • 0 to 1000 amps AC
- Resistance • Capacitance
- Temp. • Carrying Case & Leads Included

Optional Accessories:
- **NIST Calibration Certificate**

Multimeter Test Leads & Accessories
I. **8043S** "Softie" DMM 10 piece lead set
J. **Fluke T-Pak** Meter Hanging Kit
K. **Fluke 80K-40** High Voltage DMM Probe with Cal

Model	Fluke 77-4	Fluke 112	Fluke 179	Fluke 87V	Fluke 187	Fluke 189
True RMS	No	AC	AC	AC	AC/DC	AC/DC
Basic Accuracy	0.3%	0.7%	0.09%	0.05%	0.025%	0.025%
Bandwidth	No	No	No	20 kHz	100 kHz	100 kHz
Auto/Man. Ranging	Yes	Yes	Yes	Yes	Yes	Yes
Digits	3.5	3.5	3.5	4.5	4.5	4.5
Counts	3200	6000	6000	20000	50000	50000
Temp.	No	No	+400°C	+1090°C	+1350°C	+1350°C
Datalogging	No	No	No	No	No	Yes

We carry a wide variety of Digital Multimeters.
If you do not see what you need, please feel free to contact us!

A. Victoreen 4000M+ Testing Device
The Victoreen 4000M+ does it all. Simply place the instrument in the X-ray beam, make one exposure & it serially displays kVp Max, kVp Average, kVp Effective, dose & time. The 4000M+ automatically resets for the next exposure.

B. RMI 403 LE-0.5 Multi-Purpose Phantom 802263
Performs the following tests:
- Axial & Lateral Resolution at multiple depths
- Cyst imaging at multiple depths • Depth of penetration
- Image uniformity • Dead Zone
- Vertical & Horizontal Distance Accuracy

Other Phantoms Also Available, Give Us a Call!

C. Digital Dual Range mAs Meter NA 07-487
A must have for your tool box.
- Dual: 0 to 199.9 & 0 to 1999 mAs
- ± 2% Accuracy • Battery powered & handheld

D. Rad-Check Plus Dosimeter 06-526
Rate & Dose - Quick & Easy.
- Built-in Ion Chamber • Dose: 0.001 to 2 R
- Rate: 0.01 to 20 R/Min • Energy response: ± 5%
- Weighs 18 oz & is battery powered

E. TRIAD Kit 10500AMT (Keithley)
The TRIAD Kit performs measurements for all modalities: radiography, fluoroscopy, mammography, CT, cine, image intensifiers & dental. Call for complete specs & details. Items from this kit can also be purchased individually, call for prices & specs.
Kit includes:
- **F.** **35035** mA/mAs Meter
- **35050A** Dosimeter Assembly
- **G.** **35080B** Non-Invasive kVp Divider
- **37500D** Kit Carrying Case
- **37581** Test Stand (Including: Ion chamber, stem HVC & filter tray)
- **37594** Programming Kit (Including: Customizable software, two meter RS232 interface cable & adapters)
- **37617** Wide-Range Filter Pack
- **37668** HVC Filter Set
- **38208** Coax/Triaxial Cable
- **96020C & 96035B** Remote Ion Chambers

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Gammex
GAMMEX rmi

We carry the complete line of Cardinal Health, Gammex RMI & other lines of Phantoms. Call us for specs & pricing to find the perfect model for you!

CardinalHealth

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TIF Infrared Thermometers

Digitally read temperature without contact. Just aim & read. Laser Sighting.

H. **TIF7800** 0º to +600ºF
TIF7900 -67º to +300ºF

TIF Digital Thermometers

- Range: -40° to +1999°F • Accuracy: ±1% PLUS One digit
- 9V battery power

TIF7000AC with three probes
I. **TIF7500A** with penetration probe

Digital Thermometers

Measurement range:
J-type: -346° to +2192°F
K-type: -328° to +2501°F
Prices include Calibration Certificate

Fluke Series II 51-2 Single Input, with one bead thermocouple
J. **Fluke Series II 52-2** Dual Input, with two bead thermocouples

*If Calibration Certificate is **not** needed, deduct **$50** from price.*

Economy Pocket Thermometers

Put one in every toolbox.

Robinair 10597 0° to +220°F Analog (two pack)
TIF700 Analog -40° to +160°F (two pack)
K. **TIF750** Digital -58° to +302°F (each)

L. Amprobe DT-130

- °F or °C Reading Selectable
- Range: -50° to +1999° F
- "K" Type Thermocouple Input

M. Extech 445580 Temperature/Humidity "Pen"

Pocket convenience.

- Humidity: Range: 10 to 90%
  Accuracy: ± 5%
  Resolution: 1%
- Temp: Range: +32° to +122°F
  Accuracy: ± 1.5°
  Resolution: 0.1°

Temperature Adapters

Convert your DMM to a Temperature Meter.

N. **Fluke 80TK** DMM Temperature Adapter (w/Calibration Certificate)
Fluke 80TK DMM Temperature Adapter (w/o Calibration Certificate)
O. **Fluke 80T-150U** DMM Temperature Adapter (w/Calibration Certificate)
Fluke 80T-150U DMM Temperature Adapter (w/o Calibration Certificate)

Thermocouple Probes for Fluke 50-series & Other "K" Type Temperature Meters

P. **Fluke 80PK-1** Bead thermocouple probe
Q. **Fluke 80PK-3A** Surface probe
R. **Fluke 80PK-22** Immersion probe
S. **Fluke 80PK-24** Air probe
T. **Fluke 80PK-25** Piercing probe
U. **Fluke 80PK-26** Extended bead probe
V. **Fluke 80PK-27** Ruggedized surface probe

EXTECH INSTRUMENTS

We carry all Temperature Products from Extech, TIF, B&K & Fluke. Contact us with your needs!

FLUKE

A. Omega Supreme Electronic Vacuum
- ESD-Safe • EMI/RFI line filtered
- Accessories store inside lid • 0.3 Micron Filter
- Size / Weight: 19"x 8"x10" / 11 lbs

VACOMEGASLF 110 V
VACOMEGASLFH 110 V with HEPA
VACOMEGAS220F 220 V

Optional Accessories:
- **31700-2P** 0.3 Micron Cap. Standard Filter (two pack)
- **VACPACK** Deluxe Back Pack

B. HEPA Express Vacuum AT75000-15
- Safe for electronics, EMI/RFI Filtered
- Dust, Mold, Lead, Color Toner, Fiberglass & other microscopic biohazards captured in an easy-to-seal & dispose hard plastic cartridge filter
- HEPA grade filtration in a small powerful size

Optional Accessories:
- **710333** 0.3 Micron Capacity Standard Toner Filter (two pack)
- **730333** 0.12 Micron Capacity HEPA Filter (two pack)

C. Field Portable Static Kit ATIESD-1CPGS
Includes mat, wrist strap & ground cord.

D. CDI Micro-Adjustable Torque Screwdrivers
KL45-61SM 20 to 100 in oz
KL45-151SM 3 to 15 in lb
KL45-401SM 5 to 40 in lb

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Adhesives & Dispensers
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Power Tools
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Shop Supplies
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Static Protection
Storage/Handling
Telecom
Test Equipment
Tool Kits
Wire/Cable
Workstation Solutions

Contact us for a quote & availability!

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Remin Kart-A-Bag Carts
- Ten Year Limited Warranty
- Solid chrome-plated steel with heavy-duty wheels
- Captive elastic cord to secure load
- Durable & heavy-duty

E. Remin Super 600
- 6” roller-bearing semi-pneumatic wheels • 300 lb capacity

F. Remin TriKart 800 . . . . . **$240**
- 6” roller-bearing semi-pneumatic wheels • 300 lb capacity
- Tilt-back swivel casters

Other models, sizes & capacities available, call for specs & prices!

G. PM Cart Lite 20-734 . . . . . **$402**
- Built-in peg boards & cord wrap • Hard plastic casters
- Durable metal & plastic construction
- Size / Weight: 32”Hx 30”Wx20”Deep / 56 lbs

G

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Professional cases for business and industry

We offer the full line of cases from Platt & are able to design & build CUSTOM CASES, too!

PLUS we can design custom test equipment & tool kits to fit your specific needs & budget!

Contact us for a free consultation!

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